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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,302	01/22/2007	Thierry Campenon	290283US6PCT	6797
22850	7590	07/01/2008	EXAMINER	
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.			ALI, HYDER	
1940 DUKE STREET			ART UNIT	
ALEXANDRIA, VA 22314			PAPER NUMBER	
			3747	
			NOTIFICATION DATE	
			DELIVERY MODE	
			07/01/2008	
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<b>Office Action Summary</b>	<b>Application No.</b> 10/578,302	<b>Applicant(s)</b> CAMPENON ET AL.	
	<b>Examiner</b> HYDER ALI	<b>Art Unit</b> 3747	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 April 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 11-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 11-13, 16, 19 and 25-31 is/are rejected.
- 7) ☒ Claim(s) 14, 15, 17, 18 and 20-24 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 11-13, 16, 19 and 25-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Huddleston et al (US 4,819,833).**

As to Claim 11, Huddleston et al discloses a fuel system for an internal combustion engine operating with a liquid fuel and comprising: a fuel reservoir (5) intended for the liquid fuel; and an additive reservoir (15), said additive reservoir (15) including a chamber formed in a concave recess of a wall of the fuel reservoir, wherein said concave recess is concave on a face of said wall that faces outside said fuel reservoir (15). **See figures 2 and 3.**

As to Claim 12, Huddleston et al discloses wherein an additive is intended to be added to the fuel, and wherein the chamber communicates with the fuel reservoir by an opening (18, 19) provided through the fuel reservoir. **See figures 2 and 3, an opening provided through the fuel reservoir.**

As to Claim 13, Huddleston et al discloses wherein the chamber includes a system for metering the additive from the chamber into the fuel reservoir, via the opening (18, 19), the metering system including a pump (31) and an injector (40) passing through the opening (18, 19).

As to Claim 16, Huddleston et al discloses wherein the chamber is closed by a lid made of a same material as that of the fuel reservoir.

As to Claim 19, Huddleston et al discloses wherein a reservoir for the fuel is manufactured, of which a wall has a recess that is concave on its outer face; a lid (3) is manufactured; the lid (3) is hermetically attached to a peripheral edge of the concave recess, so as to form the chamber; an additive is introduced into the chamber before or after the lid is attached; and the chamber is connected to a system for metering the additive before or after the additive is introduced into the chamber.

As to Claim 25, Huddleston et al discloses a fuel system for an internal combustion engine operating with a liquid fuel and comprising: a fuel reservoir (5) for the liquid fuel; and an additive reservoir (15) including a chamber formed in a recess of a wall of the fuel reservoir (5), wherein the chamber communicates with the fuel reservoir by an opening (18, 19) provided through the fuel reservoir. **See figures 2 and 3.**

As to Claim 26, Huddleston et al discloses wherein said fuel reservoir (5) includes said liquid fuel, and said additive reservoir (15) includes an additive to be added to said liquid fuel via said opening (18, 19).

As to Claim 27, Huddleston et al discloses wherein said additive comprises a catalyst for combustion of carbonaceous material produced during combustion of said liquid fuel.

As to Claim 28, Huddleston et al discloses wherein the chamber includes a metering system that meters an amount of additive communicating between the chamber and the fuel reservoir via said opening (18, 19).

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As to Claim 29, Huddleston et al discloses wherein said metering system includes a pump (31).

As to Claim 30, Huddleston et al discloses wherein said metering system includes an injector (40).

As to Claim 31, Huddleston et al discloses wherein said recess is concave on a face of said wall that faces outside said fuel reservoir (5).

### ***Allowable Subject Matter***

Claims 14, 15, 17, 18, 20-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Response to Arguments***

Applicant's arguments with respect to claims 11-31 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Denis et al (US 6,269,802) discloses fuel tank. Levison (US 5,295,610) discloses mixing can having a hinged cap with an integral measuring cup. Gouzou et al (US 6,422,266) discloses liquid transferring assembly, in particular for fuel additive. Fromont (US 6,851,396) discloses on-board fuel feed system for a motor vehicle.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HYDER ALI whose telephone number is (571)272-4836. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Kirk Cronin can be reached on (571) 272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HYDER ALI/  
Examiner, Art Unit 3747

/Stephen K. Cronin/  
Supervisory Patent Examiner, Art Unit 3747